

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1. – 15. (Canceled)

16. (Currently Amended) An air bag assembly 20 comprising:

an air bag 30 including at least a first inflatable region 32, 34 of determinable size, the inflatable region having a plurality of restrictions 120, 124, 126 peripherally located about the inflatable region, wherein the plurality of restrictions includes a first set of restrictions extending from a top uninflated portion of the air bag toward the central region and a second set of restrictions extending from a bottom uninflated portion so as to form a plurality of inflatable portions 162 having parallel sides, said first and second sets of restrictions being non-overlapping within the bag;

the restrictions configured to permit the first inflatable region of the air bag to achieve its maximum inflatable size in a central region interior to the plurality of restrictions, the central region configured to extend, upon inflation of the air bag, laterally substantially from a front to a rear of the first inflatable region, the size of the central ~~regions~~ region is determinable by the length of each of the first and second set of restrictions, wherein end or terminus portions of individual restrictions of the first set of restrictions are generally opposingly facing relative to individual restrictions of the second set of restrictions and wherein the individual restrictions of the first and second sets are generally parallel to and laterally off-set from each other.

17. (Canceled)

18. (Previously Presented) The air bag as defined in Claim 16 including the second set of restrictions extending from a bottom uninflated portion of the air bag toward the central region.

1 19. (Canceled)

1 20. (Currently Amended) The curtain air bag according to Claim 31 wherein the
2 distal ends of each of the ~~joints~~ restrictions of the first set of ~~joints~~ restrictions are
3 located about the same distance from the bottom edge of the air bag.

1 21. (Currently Amended) The curtain air bag according to Claim 31 wherein the
2 distal ends of the ~~joints~~ restrictions of the second set of ~~joints~~ restrictions are located
3 about the same distance from the top edge of the air bag.

1 22. (Currently Amended) The curtain air bag according to Claim 31 including a third
2 set of ~~joints~~ restrictions formed generally with a U-shape and configured as a second
3 base having first and second ends and including stems extending from a respective one
4 of the first and second ends of the second base, each of the stems extending to a distal
5 end.

1 23. (Currently Amended) The curtain air bag according to Claim 22 wherein the
2 second base is spaced from the top edge forming an inflatable region between the
3 second base and the top edge.

1 24. (Previously presented) The curtain air bag according to Claim 22 wherein each
2 stem is orientated along a vertical line.

1 25. (Previously presented) A curtain air bag having two major inflatable chambers,
2 the air bag configured to inflate from a folded configuration at or about a roof rail of a
3 vehicle to an inflated condition covering an interior side portion of the vehicle's
4 passenger compartment, the passenger compartment including a windowed area, the
5 air bag including a rear facing surface which when inflated faces away from the
6 passenger compartment and lies adjacent the windowed area, the air bag comprising:

7 a first inflatable chamber having a forward side region which faces a forward
8 portion of the vehicle when the chamber is inflated and an oppositely facing rear side
9 region;

10 a non-inflatable region having a forward side region operatively secured to the rear
11 side region of the first inflatable chamber and located generally at the rear side region of
12 the first inflatable chamber, the non-inflatable region also including an oppositely facing
13 rear side region as well as a rear facing surface which faces away from the passenger
14 compartment;

15 the second inflatable chamber having a forward side region operatively secured
16 proximate the rear side of the non-inflatable region, the second inflatable chamber also
17 having a rear side region, and when inflated a rear facing surface of the second
18 inflatable chamber is configured to be placed in front of the windowed area of the
19 vehicle;

20 a first tether having a first side thereof secured to the forward side region of the
21 first inflatable chamber and having another portion securable to a first portion of the
22 vehicle's passenger compartment;

23 a second tether having a first side region secured proximate the rear side region of
24 the non-inflatable region, the second tether extending behind the rear facing surface of
25 the second inflatable chamber when the second inflatable chamber is inflated, wherein
26 a distal end of the second tether is configured to be secured to the vehicle, the second
27 tether configured to act as a barrier to prevent an occupant of the vehicle from being
28 thrown from the vehicle.

1 26. (Currently Amended) An air bag assembly comprising:

2 an inflatable air bag comprising at least a first inflatable region or chamber, having
3 a plurality of first restrictions, ~~seams or joints~~ extending generally perpendicular to and
4 vertically upward from a portion of the periphery of the inflatable region, and a second
5 plurality of restrictions, ~~seams or joints~~ extending generally vertically downward from
6 and generally perpendicular to an opposing portion of the periphery of the inflatable
7 region, each restriction, ~~seam or joint~~ of the ~~second~~ first set is spaced from each other
8 so as to form an inflatable portions 162 there between, wherein individual restrictions of

9 the first restrictions, ~~seams or joints~~ are each generally misaligned horizontally and non-
10 overlapping vertically relative to opposing individual restrictions of the second
11 restrictions, ~~seams or joints~~, the opposing and spaced restrictions configured to locally
12 restrict the inflation of the inflatable region between adjacent restrictions and configured
13 to permit the inflatable region to achieve a maximum width in a region generally
14 between opposing restrictions;

15 wherein an imaginary vertical line beginning from an end point of some of the first
16 restrictions and extending toward some of the second restrictions is positioned between
17 two of the second restrictions.

1 27. (Currently Amended) An air bag assembly comprising:

2 an inflatable air bag comprising at least a first inflatable region or chamber having
3 a forward side and a rear side, the first inflatable region configured to have a medial
4 portion that extends generally from the forward side to the rear side; the medial portion
5 located generally between a lower portion and an upper portion each of which also
6 extends from the forward side to the rear side, further the first inflatable region includes
7 a plurality of first restrictions 120, ~~seams or joints~~ extending generally perpendicular to
8 and vertically upward from the lower portion of the first inflatable region, and a plurality
9 of inflatable portions 162 having parallel sides and a second plurality of restrictions 124,
10 ~~seams or joints~~ extending generally vertically downward from the upper portion the first
11 inflatable region, each of the plurality of first and second restrictions, ~~seams or joints~~
12 including a body portion joined to a distal end, wherein the distal end of each of the first
13 plurality of restrictions does not extend through a lower edge of the medial portion and
14 wherein the distal end of each of the second plurality of restrictions does not extend
15 through an upper edge of the medial portion.

1 28. (Currently Amended) The air bag assembly according to Claim 27
2 wherein the distal ends of the first plurality of restrictions, ~~seams or joints~~ are generally
3 laterally misaligned relative to generally individual restrictions of the second plurality of
4 restrictions, ~~seams or joints~~.

1 29. (Previously Presented) The assembly as defined in Claim 28 wherein
2 at least some of the distal ends of the second set of restrictions include a stem portion
3 and end portion are formed in a bulbous shape.

1 30. (Previously Presented) The assembly as defined in Claim 29 wherein the end
2 portions of the first set of restrictions interdigitate relative to the end portions of the
3 second set of restrictions.

1 31. (Currently Amended)

An air bag assembly (20) comprising:

2 an inflatable air bag comprising at least a first inflatable region or chamber, the first
3 inflatable chamber or region including opposing panels of flexible material, the first
4 inflatable chamber configured to have a top, middle and lower region, the middle region
5 when the air bag is inflated is configured to be the widest of the top, middle and lower
6 regions; the lower region including a first plurality of restrictions, ~~seams or joints~~ which
7 restrict ~~prevent~~ portions of the lower region from inflating, the middle region extending
8 laterally across the first inflatable chamber and being generally parallel to the top and
9 lower regions and not having any ~~joints~~ restrictions extending through a top and/or lower
10 boundary of the ~~a~~ medial region, the top region including a second plurality of ~~joints~~
11 restrictions which prevent portions of the ~~lower~~ top region from inflating, the first
12 inflatable chamber having an uninflatable top edge, a bottom edge, a first side edge and
13 a generally opposite second side edge;

14 the plurality of generally parallel first ~~joints~~ restrictions includes a first set of ~~joints~~
15 restrictions, each ~~joint~~ restriction of the first set of ~~joints~~ restrictions which define an
16 inflatable portion 162 having generally parallel sides having a base located in or
17 extending from the bottom edge, a body extending generally perpendicular from the
18 base ~~edge~~ and having a distal end, each distal end located a predetermined distance
19 above the bottom edge and each distal end of the first set of ~~joints lying on~~ restrictions
20 defining the lower boundary of the middle region; the plurality of second ~~joints~~
21 restrictions includes a second set of ~~joints~~ restrictions, each ~~joint~~ restriction of the
22 second set of ~~joints~~ restrictions having a base, and a body ~~[[and]]~~ having a distal end,
23 each distal end located a predetermined distance below the top edge and each distal
24 end of the second set of ~~joints lying on~~ restrictions defining the top upper boundary of
25 the middle region.